

# Contents of Volume 190, 1978

No. 1 issued on June 26, 1978

<b>E. Pannese:</b> The Response of the Satellite and Other Non-Neuronal Cells to the Degeneration of Neuroblasts in Chick Embryo Spinal Ganglia	1
<b>H. M. Beier, C. Kirchner, U. Mootz:</b> Uteroglobulin-like Antigen in the Pulmonary Epithelium and Secretion of the Lung	15
<b>P. D. Ottosen:</b> Ultrastructure and Segmentation of Microdissected Kidney Tubules in the Marine Flounder, <i>Pleuronectes platessa</i>	27
<b>W. Th. Daems, H. K. Koerten:</b> The Effects of Various Stimuli on the Cellular Composition of Peritoneal Exudates in the Mouse	47
<b>B. Hilscher, W. Hilscher:</b> Kinetics of Gametogenesis. II. Comparative Autoradiographic Studies of Oogonia and Multiplying Prospermatogonia of the Wistar Rat	61
<b>N. Goossens, K. Dierickx, F. Vandesande:</b> Immunocytochemical Study of the Neurohypophyseal Hormone Producing System of the Lungfish, <i>Protopterus aethiopicus</i>	69
<b>P. Eikelenboom:</b> Dendritic Cells in the Rat Spleen Follicles. A Combined Immuno- and Enzyme Histochemical Study	79
<b>F. Okamura, H. Nishiyama:</b> Penetration of Spermatozoon into the Ovum and Transformation of the Sperm Nucleus into the Male Pronucleus in the Domestic Fowl, <i>Gallus gallus</i>	89
<b>R. L. Chappell, L. J. Goodman, J. B. Kirkham:</b> Lateral Ocular Nerve Projections in the Dragonfly Brain	99
<b>N. Kitson, E. W. Van Lennep, J. A. Young:</b> Gap Junctions in Human Sebaceous Glands	115
<b>M. Sharawy, D. P. Penney, T. R. Dirksen, K. Averill:</b> Changes in the Adrenal Cortex of the Rat after Chronic Administration of the Steroidogenic Inhibitor U-8113	123
<b>A. Römmler, W. Seinsch, A. S. Hasan, F. Haase:</b> Ultrastructure of Rat Pituitary LH Gonadotrophs in Relation to Serum and Pituitary LH Levels Following Repeated LH-RH Stimulation	135
<b>D. C. Herbert:</b> Identification of the LH and TSH-Secreting Cells in the Pituitary Gland of the Rhesus Monkey	151
<b>S. L. Howell, M. Tyhurst:</b> Role of Microtubules in the Intracellular Transport of Growth Hormone	163
<b>B. Scharrer, S. Wurzelmann:</b> Neurosecretion. XVII. Experimentally Induced Release of Neurosecretory Material by Exocytosis in the Insect <i>Leucophaea maderae</i>	173
<b>Short Communication</b>	
<b>P. P. Krupp, R. Frink:</b> Effects of Vitamin A Deficiency on Ultimobranchial Cysts in the Thyroid Gland. An Electron Microscopic Study	181

No. 2 issued on July 5, 1978

<b>U. Armato, G. G. Nussdorfer, G. Neri, E. Draghi, P. G. Andreis, G. Mazzocchi, F. Mantero:</b> Effects of ACTH and 3',5'-Cyclic Purine Nucleotides on the Morphology and Metabolism of Normal Adult Human Adrenocortical Cells in Primary Tissue Culture	187
<b>F. Barberini, S. Sartori, P. Motta, J. Van Blerkom:</b> Changes in the Surface Morphology of the Rabbit Endometrium Related to the Estrous and Progestational Stages of the Reproductive Cycle. A Scanning and Transmission Electron Microscopic Study	207
<b>L. Andersen, H. E. Schroeder:</b> Quantitative Analysis of Squamous Epithelium of Normal Palatal Mucosa in Guinea Pigs	223

<b>R. D. Andrew, I. Orchard, A. S. M. Saleuddin:</b> Structural Re-Evaluation of the Neurosecretory System in the Crayfish Eyestalk	235
<b>J. Schechter, D. Gash, N. Ahmad:</b> Neuroembryogenesis of Ventral Hypothalamus Transplanted to Kidney Capsule	247
<b>G. Gabella, D. Blundell:</b> Effect of Stretch and Contraction on Caveolae of Smooth Muscle Cells	255
<b>R. Crowe, M. Whitear:</b> Quinacrine Fluorescence of Merkel Cells in <i>Xenopus laevis</i>	273
<b>K. Zilles, A. Schleicher, H.-J. Kretschmann:</b> Automatic Morphometric Analysis of Retrograde Changes in the Nucleus n. facialis at Different Ontogenetic Stages in the Rat	285
<b>A. D. Hoyes, P. Barber:</b> Fine Structure and Composition of the Submucous Nerve Plexus of the Guinea-Pig Trachea	301
<b>D. E. Scott, W. K. Paul:</b> Correlative Scanning-Transmission Electron Microscopic Examination of the Perinatal Rat Brain. I. The Third Cerebral Ventricle	317
<b>C. Meban:</b> The Respiratory Epithelium in the Lungs of the Slow-Worm, <i>Anguis fragilis</i>	337
<b>B. J. M. Diehl:</b> Occurrence and Regional Distribution of Striated Muscle Fibers in the Rat Pineal Gland	349
<b>E. Gellinek:</b> On the Ampullary Organs of the South-American Paddle-Fish <i>Sorubim lima</i> (Siluroidea, Pimelodidae)	357
 <b>No. 3 issued on July 10, 1978</b>	
<b>M. Naito, E. Wisse:</b> Filtration Effect of Endothelial Fenestrations on Chylomicron Transport in Neonatal Rat Liver Sinusoids	371
<b>O. Lindvall, U. Stenevi:</b> Dopamine and Noradrenaline Neurons Projecting to the Septal Area in the Rat	383
<b>M. Obika, S. J. Lo, T. T. Tchen, J. D. Taylor:</b> Ultrastructural Demonstration of Hormone-Induced Movement of Carotenoid Droplets and Endoplasmic Reticulum in Xanthophores of the Goldfish, <i>Carassius auratus</i> L.	409
<b>M. Terlou, B. Ekengren, K. Hiemstra:</b> Localization of Monoamines in the Forebrain of Two Salmonid Species, with Special Reference to the Hypothalamo-Hypophysial System	417
<b>D. R. Nässel, R. Elofsson, R. Odselius:</b> Neuronal Connectivity Patterns in the Compound Eyes of <i>Artemia salina</i> and <i>Daphnia magna</i> (Crustacea: Branchiopoda)	435
<b>M. D. Kendall:</b> The Effect of Haemorrhage on the Cell Populations of the Thymus and Bone Marrow in Wild Starlings ( <i>Sturnus vulgaris</i> )	459
<b>R. Yokota, G. Burnstock, R. Jones, M. D. Brown:</b> An Ultrastructural Study of Regeneration of Minced Smooth Muscle in the Vas deferens of the Guinea-Pig	481
<b>G. Burnstock, R. Yokota, R. Jones:</b> Reinnervation of Regenerating Smooth Muscle Cells in Minced Vas deferens of the Guinea-Pig	495
<b>H. Braak:</b> Pigment Architecture of the Human Telencephalic Cortex. III. Regio praesubicularis	509
<b>M. M. Bird:</b> Microsurgical Transection of Small Nerve Fibre Bundles in vitro. Effects on Axons, Growth Cones and Glial Cells	525
<b>A. F. Smith, G. V. Landon, R. Ghanadian, G. D. Chisholm:</b> The Ultrastructure of the Male and Female Prostate of <i>Praomys (Mastomys) natalensis</i> . I. Normal, Castrated and Ovariectomised Animals	539
 <b>Short Communication</b>	
<b>V. Storch, K. Herrmann:</b> Podocytes in the Blood Vessel Linings of <i>Phoronis muelleri</i> (Phoronida, Tentaculata)	553

nts

235

247

255

273

285

301

317

337

349

357

371

383

409

417

435

459

481

495

509

525

539

553